Number Number MM/YYYY (Family Name of First Inventor) Class Date		,	,			٠٠-		村	Tlart	0f #05	_					
To. U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date: September 14, 2001 Page 1 of 1 Examiner Unknown Group Art Unit: Unknown U.S. PATENT DOCUMENTS Examiner Number Date MMYYYY (Family Name of First Inventor) Initials Filing Date: May 18, 2001 Examiner Unknown Group Art Unit: Unknown Class Sub Filing Date (rappropriet) Filing Date: September 14, 2001 Page 1 of 1 Examiner Unknown Group Art Unit: Unknown U.S. PATENT DOCUMENTS Examiner Unknown Group Art Unit: Unknown Class Sub Filing Date (rappropriet) Filing Date (rappropriet) Filing Date: May 18, 2001 Examiner Unknown Group Art Unit: Unknown Class Sub Filing Date (rappropriet) Class Sub Filing Date (rappropriet) Filing Date (r	FORM PTO	-1449	(modified)					 	Atty.	M#		10	Client F	Ref.		
Patent and Trademark Office Base Report R									Dkt. No.							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date: September 14, 2001 Page 1 of 1 Examiner: Unknown Group Art Unit: Unknown U.S. PATENT DOCUMENTS Examiner Number MMYYYY (Family Name of First Inventor) Initials* For Sp. 5, 186,078 0 02/1993 Kameda et al. IR																
Applicant: KORENJAK et al. Applicant: May 18, 2001 Examiner: Unknown Group Art Unit: Unknown Class Sub Class Sub Class	Patent	and T	rademark Office													
Applicant: KORENJAK et al. Applicant: May 18, 2001 Examiner: Unknown Group Art Unit: Unknown Class Sub Class Sub Class										200000						_
Appin. No.: 09/859,410 Filing Date: May 18, 2001 Date: September 14, 2001 Date: September 14, 2001 Date: September 14, 2001 Date: May 18, 2001 Examiner: Unknown Class Sub		TIO	N DISCLOSUE	C OT	A T = R	AC'AIT			Applicant			11	RP-00	1238	1-051	
Filing Date: May 18, 2001 Examiner: Unknown Group Art Unit: Unkn				ESI	AIEN	(IEN I			Applicant	, KOKENJAK EL	aı.					
Date September 14, 2001 Page 1 of 1 Examiner. Unknown Group Art Unit: Unknown U.S. PATENT DOCUMENTS Document Number Numbe									Appln. No	o.: 09/859,410						
U.S. PATENT DOCUMENTS Examiner Number MM/YYYY (Family Name of First Inventor) Document Number MM/YYYY (Family Name of First Inventor) Name (Family Name of First Inventor) Class Sub Class (Fappoontate of Family Name of First Inventor) Resea (Family Name of Family Name of First Inventor) Resea (Family Name of Family Name of First Inventor) Resea (Family Name of Family Name of First Inventor) Resea (Family Name of Family Name of First Inventor) Resea (Family Name of Family Name of First Inventor) Resea (Family Name of Family Name of First Inventor) Resea (Family Name of Family Name of Fir						_		_	Filing Dat	te: May 18, 2001						
Examiner Number Number (Family Name of First Inventor) Document Number (Family Name of First Inventor) Rese (Family Name of Family Name of First Inventor) Rese (Family Name of Family Na	Date: Sept	embe	er 14, 2001	Page	1	of	1		Examiner	r: Unknown	Gro	up A	\rt Un	it: U	nknow	<u>n</u>
Number MM/YYYY (Family Name of First Inventor) Class Date (flappropriate of flappropriate of flappro	U.S. PATE	NT D	OCUMENTS													
Comparison Com	Examiner'		Document		Date		Name				Clas	s S	Sub		Filing	
R	s		Number		MM/	YYYY	(Family N	Name	of First Inv	ventor)		Clas		lass [
SR 5,186,078 02/1993 Kameda et al.	Initials*									· · · · · ·					(if approp	riate
SR 5,186,078 02/1993 Kameda et al.	BIOIS	ĄR	4,821,827 🏉		04/19	989	Reese				1					
FR	CA FBV		5,186,078 🕜		02/19	993	Kameda	et al.								
GR GR HR IR JR KR LR KR NR FOREIGN PATENT DOCUMENTS Document Number MM/YYYY MM/YYYY Number MM/YYYY OR 2 212 464 A O 07/1989 UK Thomson PR 590 149 O 07/1977 CH Bosshard QR 2 759 031 O 08/1984 PR 3302844 A1 O 08/1984 DE Knauer X X YR VR UR VR WR WR WR WR JOTHER (Including in this order Author. Title, Periodical Name, Date, Pertinent Pages, etc.) WR WR WR BBR CCR DDR Examiner Date Considered: 8/15/3-> Date Considered: 8/15/3-> TEXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP \$ 699. Draw line through citation if	7	CE														
GR GR HR IR JR KR LR KR NR FOREIGN PATENT DOCUMENTS Document Number MM/YYYY MM/YYYY Number MM/YYYY OR 2 212 464 A O 07/1989 UK Thomson PR 590 149 O 07/1977 CH Bosshard QR 2 759 031 O 08/1984 PR 3302844 A1 O 08/1984 DE Knauer X X YR VR UR VR WR WR WR WR JOTHER (Including in this order Author. Title, Periodical Name, Date, Pertinent Pages, etc.) WR WR WR BBR CCR DDR Examiner Date Considered: 8/15/3-> Date Considered: 8/15/3-> TEXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP \$ 699. Draw line through citation if	M															
GR HR IR JR JR JR KR LR MR NR FOREIGN PATENT DOCUMENTS Document Number MM/YYYY Document Number MM/YYYY Foreign Patent Document Number MM/YYYY Document Number MM/YYYY Document Number MM/YYYY Foreign Patent Document Number Foreign Patent Document Number MM/YYYY Foreign Patent Number Foreign Patent Document Number Foreign Patent N																
HR IR IR JR KR LR LR MR NR Document Number Date MM/YYYY Number Date Country Inventor Name Enclosed No Enclose No Enclos	MAKOEED	FR														
R		GR														
R		HR														
JR KR LR MR NR NR Document Number Date MM/YYYY Document Number Document		IR		,												
KR				****												
LR																
MR NR FOREIGN PATENT DOCUMENTS Document Number NM/YYYY Date MM/YYYY DATE NOT PR 590 149 0 07/1989 UK RR 3302844 A1 08/1998 FR RR Petre Serban Stefanescu-Fr.		····								·						
NR FOREIGN PATENT DOCUMENTS Document Number Enclosed No Enclose Number No Enclose Number No Enclose Number Number Number Number No Enclose Number		 							· • · · · · · · · · · · · · · · · · · ·							
Document Number Date MM/YYYY Doubtry Inventor Name English Abstract Readily Available		 														
Document Number Date MM/YYYY Date Document Number Date MM/YYYY Date Document Number Date MM/YYYY Date Date Enclosed No Enclose	FOREICN	<u></u>		TC			<u> </u>				_1	Eng	lish		Translat	ion
Number N	FUREIGIN	PAII				Cour	tn.	Invo	ntor Name							
Color		i										Available				
OR 2 212 464 A P 07/1989 UK Thomson			Number									Enc	losed	No.	Enclose	TN
PR 590 149 0 07/1977 CH Bosshard x QR 2 759 031 0 08/1998 FR Petre Serban Stefanescu-Fr. x RR 3302844 A1 0 08/1984 DE Knauer x FIN SR 2 302 000 0 09/1976 FR Hetschel x UR UR VR	Fav	OR	2 212 464 A	07/19	89	UK		Tho	mson							T
QR 2759 031 08/1998 FR Petre Serban Stefanescu-Fr. x	1			+								x				T
RR 3302844 A1 08/1984 DE Knauer		†	**	1						Stefanescu-Fr.		$\overline{}$				T
SR 2 302 000 9 09/1976 FR Hetschel X	l di	1		1			••									T
TR UR UR VR WR WR Austrian Search Report for Austrian Patent Application No. A 875/2000-1 citing ZR the references listed above (dated May 23, 2001). AAR BBR CCR DDR Examiner Date Considered: 8/13/53 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if	E/Z/		 									1				T
UR VR WR XR OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.) YR Austrian Search Report for Austrian Patent Application No. A 875/2000-1 citing ZR the references listed above (dated May 23, 2001). BBR CCR DDR Examiner Date Considered: 8/13/3 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if	F 124	1	_ 552 555 =	1557,15		†		1				†				1
VR WR XR OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.) YR Austrian Search Report for Austrian Patent Application No. A 875/2000-1 citing ZR the references listed above (dated May 23, 2001). • AAR BBR CCCR DDR Examiner Date Considered: 8/13/53 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if		† 		 		1		1	···							十
WR XR OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.) YR Austrian Search Report for Austrian Patent Application No. A 875/2000-1 citing ZR the references listed above (dated May 23, 2001). • AAR BBR CCR DDR Examiner Date Considered: 8/13/53 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if		1								<u> </u>						1
THER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.) YR Austrian Search Report for Austrian Patent Application No. A 875/2000-1 citing ZR the references listed above (dated May 23, 2001). AAR BBR CCR DDR Examiner Date Considered: 8/13/53 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if	<u> </u>					1		1	1990			1				\dagger
OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.) YR Austrian Search Report for Austrian Patent Application No. A 875/2000-1 citing ZR the references listed above (dated May 23, 2001). AAR BBR CCR DDR Examiner Date Considered: 8/13/5*3 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if				 		†	·····	+				 				\dagger
YR Austrian Search Report for Austrian Patent Application No. A 875/2000-1 citing ZR the references listed above (dated May 23, 2001). AAR BBR CCR DDR Examiner Date Considered: 8/13/5*3 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if	OTHER (1-		ing in this cade - 1	uthor	Title	Porior	tical Nam	A Dai	a Dertinor	nt Pages etc.)		+-				十
ZR the references listed above (dated May 23, 2001). AAR BBR CCR DDR Examiner Date Considered: 8/13/0-3 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if		T	T								<u> </u>	1				
AAR BBR CCR DDR Examiner *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if	100	1								7 01 01 2000-1 GIIII	9	 				+
BBR CCR DDR Examiner Date Considered: 8/13/5*3 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if		1		sieu a	pove	(uated	iviay 23, 2	2001).	. #			+			 	+
CCR DDR Examiner Date Considered: 8/13/53 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if		t					 .			74 70		+				+
Examiner Date Considered: 8/13/53 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if			1									+			 	+
Examiner Date Considered: 8/13/03 *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if		† 							<u>.</u>			+			\vdash	+
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if		שטען	All Marie						<u> </u>		12-	<u> </u>	i		<u> </u>	
		g	age com													
												aw lin	ne thro	ugh	citation	IŤ

FORM PTO	-1449	(modified) Tent of Commerce)									Client	Ref.	•	
(PW FORM	•		Ĭ													
		rademark Office	Ý.						ı.						٠	,
}											_		<u> </u>			
									28086				RP-0	0238	8-US1	
BY APPL		N DISCLOSEF	HE ST	ATEN	IENT			Applicant:	KOR	ENJAK e	t al.					
			Minn					Appln. No.	.: 09/8	359,410						
		(NOV 2 8	Too.	ij	_			Filing Date	e: May	18, 2001	İ			_		
Date: Nove	embe	r 28. 🛣 001	Page, C	1	of	1		Examiner:	Unkn	own	Gr	oup	Art U	nit: 3	747	
U.S. PATE	NT C	OCUMENTS	EMARY													
Examiner'		Document		Date		Name					Cla	ISS	Sub		Filing	
s		Number		MM/\	YYY	(Family N	lame	of First Inve	entor)				Class	S	Date	
Initials*													<u> </u>		(if approp	riate)
FBV	AR	2,782,864 •		02/19	57	Fessia										
FBV	BR	4,288,096 6		09/19	81	Enokimo	to et a	al.								
FBV	CR	4,425,976 🕜		01/19	84	Kimura					DE	-	<u>_''</u>	, ,	<u> </u>	
	DR										Mr		<u></u>			
	ER							·			P	EC-	0 3	9 ~		
	FR										-		"		<u> </u>	
	GR										TECHN	OLO	GY UE	اک و بوز	N3100	
	HR												<u> </u>		 	
	IR														<u> </u>	
	JR												 		 	
	KR												 		 	
	LR										<u> </u>	7_	<u> </u>			
FOREIGN	PATI	ENT DOCUMEN			1_		1.			-			glish stract		Translat Readily	
		Document	Date MM/Y	VVV	Coun	try	Inver	ntor Name							Available	
		Number	101101/1	111									closed	TNO	Enclose	JNo
60/	NAD.	2.750.024.4	00/40	00	Гтопа		Chafe		_			_	ciosed	140	Liiciose	140
FBV	MR	<u> </u>	08/19		Franc		+	anescu				X		 	<u></u>	+
• •	NR OR		1		Europ		1	et al.						 	X	+
 	PR	29 41 517 • 31 30 984 ﴿			Germ		Kimu	kimoto et al.	•			X		╁	+	+
	QR	1	01/19		Germ		Kaza					X		\vdash		+
	RR	40 29 058	03/19		Germ		Mezg					T _x		\vdash	<u> </u>	+
	SR	9 34 686			Germ		Fess					┿		x		x
	TR	0 327 761	08/19		Europ	•	Lings		\dashv			+		٢	x	^
	UR	28 03 840	03/19		Germ			et al.				×		<u> </u>	<u> </u>	+
	VR	2 603 529	03/19		Franc			majou				T _x		 		+
4	WR		09/19		Franc		Hets		\top			T _x		\vdash		\top
FBV	XR	590 149 •				erland	Hets					x			<u> </u>	1
		ng in this order A		*************					t Page	s. etc.)		Ť			Ť .	Ť
<u> </u>	YR	lig iii tiilo ordor /	tatiloi,	11110,	. 000	ioai rraine	, <u>Dat</u>	o, i oranoni	. i ugu	0, 010.7		_			-	
	ZR										R	30	川	At		+
	AAR						•				9 51	AII	G 2 5	3 20	02	T
	BBR	 										-#U				
	CCR						-			-		7)8	711) (360	
	DDR	Mos							_		U	1 12	الله الر			\mathbf{I}
Examiner	9	MUJ		-				Date Cons	sidere	d: <i>Bli3</i>	63					
*EXAMINE		Initial if citation co	nsidere	ed, whe	ether or	not citatio	n is in	conformance	e with	MPEP § 6	09. D	raw li	ne thr	ough	citation	if
not in confo	rmano	ce and not conside	red. Ind	clude c	opy of	this form w	ith ne	xt communic	cation t	o Applicar	nt.					

FORM PTC							Atty.	M#			Client	Ref.		ļ
(PW FORM	-	nent of Commerce				•	Dkt. No.							ļ
		rademark Office												
								280860			RP-0	00238	3-US1	
		N DISCLOSUR	RE ST	ATEN	MENT	OIPE	Applicant	: KORE	NJAK et a	al.				
BY APPL	ICAN	NT					}							
						JUN 0 6 2003	ည္က Appln. No	o.: 09/8	9,410					
							Filing Da							
Date: June	e 6, 20	003	Page	1	of R	1 6	Examine	r: Vanan	nan)	Grou	ıp Art U	nit: 3	618	#
U.S. PATE	NT D	OCUMENTS				RADEMAN			Vait	- 1	- Pa	Mar	<u>,</u> 7	#
Examiner'		Document Number		Date		Name					Sub		Filing	
s				MM/YYYY		(Family Name	e of First In	ventor)			Clas	S	Date	
Initials*	ls*												(if approp	riate)
FBV	AR	3,096,842		07/1963		Westmont								
1	BR	4,828,017 • 3,169,597 •		02/1965		Watanabe et	Watanabe et al.							
	CR					Holloway								
d	DR	3,799,283 🗸		03/1974		Freber								
FBV	ER	5,014,841 •		05/1991		Gillespie						_		
	FR													
	GR HR													
					RECEIVED				ļ			ļ		
	IR												ļ	
	JR						JUN 1 0 2003						ļ	
	KR]			<u> </u>	- 					<u> </u>	
	LR					GROUP 3600			600				ļ	
	MR			<u> </u>						ļ			<u> </u>	
	NR									1				
FOREIGN	PAT	ENT DOCUMEN	TS								English		Translat	ion
		Document	ate Count		try Inv	entor Name	ntor Name			Abstract		Readily Available	е	
		Number MM/\							L				<u> </u>	
											Enclosed	No	Enclose	No
481	OR	EP 0656315 A1	06/19	95	Euro	oe Bra	aud				x			
FIST	PR	WO 99/12797°	03/19	99	WIPO	Koi	renjak			_	x		<u> </u>	
	QR													$oldsymbol{ol}}}}}}}}}}}}}}}}}}$
	RR													<u> </u>
	SR													1_
	TR											<u> </u>		
	UR											<u> </u>	ļ	\perp
	VR											<u> </u>		\perp
	WR													_
	XR												1	
OTHER (I	nclud	ing in this order A	\uthor,	Title,	Perioc	lical Name, Da	ate, Pertine	nt Pages	s, etc.)					
FBV	YR	European Searc												
	ZR													
	AAR													
-	BBR		•		·									
	CCF	· · · · · · · · · · · · · · · · · · ·												
	DDF													
Examiner		MIN		-			Date Cor	nsidered	: 8/13	3/03				
*EXAMINI	ER.	Initial if citation co	nsider	ed. wh	ether o	r not citation is				9. Dra	w line th	rough	citation	if
		ce and not conside	ered. In	clude	copy of	this form with r	ext commun	ication to	Applicant.					